

**TAG 2.2 Mess About
A Propeller-driven Propulsion System**

Name _____
Hour _____ Date _____

2.2 Mess About

Read the first paragraph on p. 97.
What are you going to be doing today?



Build a Propeller Motor

Read the bottom paragraph on p. 97. Draw your propeller car and label the following parts: propeller assembly, fin, rubber band, L-hook.

Procedure

Read and follow the assembly procedure on p. 98.

Mess About With Your Propeller Car

Read the instructions on p. 99 in your book. Write your observations on the “Messing About Observations: Propeller Car” sheet.



Communicate

Follow your teacher’s directions to share your ideas.

Read “How Does a Propeller System Make Your Car Move?” on pp. 100-101.
What creates the force that moves your car forward?



Draw a force diagram showing how friction and the propulsion force affect the motion of your car.

Revise Criteria and Constraints.

Go back to your 2.1 TAG and update your criteria and constraints.

What’s the Point?

List possible changes that could be made to a propeller car.